

CERTIFICATION OF PUBLICATION

CITY OF BALTIMORE OFFICE OF BOARDS AND COMMISSIONS PUBLIC NOTICE

PROJECT #1041 – PATAPSCO COLLECTION SYSTEM EVALUATION AND SEWERSHED PLAN

The City of Baltimore Office of Boards & Commissions has been requested by the Department of Public Works, Bureau of Water, and Wastewater to advertise for an engineering firm to provide civil/environmental engineering services to conduct collection system evaluations and preparation of a sewershed plan for the Patapsco Sewershed as required by the Consent Decree. The Patapsco Sewershed encompasses 7.9 square miles and contains approximately 313,282 feet of pipe and 1,726 manholes.

The Firms interested in providing these services must demonstrate and document:

1. Experience in conducting field investigations of sanitary sewer systems including, flow monitoring, CCTV inspection, manhole inspection, smoke testing and dye testing.
2. Experience in hydraulic analysis and dynamic hydraulic modeling for sanitary sewer systems.
3. Experience in managing large volumes of tabular and spatial data utilizing an enterprise geo-database.
4. Experience in physical condition and capacity assessment of sanitary sewer systems including large sanitary sewer (Varying from 33" to 64") to evaluate and implement an infiltration/inflow (I/I) reduction program.
5. Experience in planning and design of rehabilitation methods for sanitary sewer systems.
6. Experience in preparation of reports, cost estimates and contract documents related to sanitary sewer projects.
7. Experience in developing and implementing public information and education programs.
8. Experience in developing sewershed studies and plans in accordance with EPA guidelines.
9. Experience in developing an overall team approach with Minority/Women Business Enterprise participation.
10. Experience in inspection, evaluation, and design of Wastewater Pumping Station including a force main.

Services will include:

1. Collection system and wastewater pumping station inspection and characterization
2. Developing and implementing public information and education program
3. Spatial and tabular data management utilizing a variety of software applications.
4. Infiltration and Inflow (I/I) Evaluation

5. Long-term Capacity/Peak Flow Management, including hydraulic modeling
6. Preparation of Patapsco Sewershed Study Plan.

A reference document for this project is available for review on the City's website at:

<http://www.baltimorecity.gov/government/dpw/projects/1041.pdf>

The estimated cost for this project is \$4.0 Million. The estimated time of performance of the study project is 3 years. Projects must comply with the 2006 edition of "The Specifications for Materials, Highways, Bridges, Utilities and Incidental Structures."

Should you have any questions regarding the scope of the Project, please contact Mr. Samuel Nakhon or Mr. Wazir Qadri at 410-396-3440, or by e-mail at Sam.nakhon@baltimorecity.gov

Firms intending to submit a proposal as a prime consultant for this project should submit a "Letter of Interest" to the Office of Boards and Commissions, Room 601, 417 East Fayette Street, Baltimore, Maryland 21202 (FAX: 410-625-4667). Since these letters are utilized to assist small, minority and women business enterprises in identifying potential teaming partners, the letters should be submitted within five (5) days of the date of the project's advertisement. The letter should contain a contact person. Failure to submit a "Letter of Interest" will not disqualify a firm submitting a proposal for the project.

Each prime consultant applying for this Project will be required to complete and submit an original Federal Form 255, along with **five (5)** copies, to the Office of Boards and Commissions. The Federal Form 255 and the five copies must be submitted on or before 12:00 P.M. (Noon) on **Thursday, 9-28-2006**. Submittals may not be accepted after this deadline.

Insurance Requirements

The consultant selected for the award of this project shall provide professional liability, auto liability, general liability and workers' compensation insurances as required by the City of Baltimore.

All architectural, engineering, and surveying firms listed in the specific proposal for the Project must be prequalified by the Office of Boards and Commissions for each applicable discipline at time of submittal for this Project.

It is the policy of the City of Baltimore to promote equal business opportunity in the City's contracting process. Pursuant to Article 5, Subtitle 28 of Baltimore City Code (2000 Edition) – Minority and Women's Business Program, Minority Business Enterprise (MBE) and Women's Business Enterprise (WBE) participation goals apply to this contract.

The MBE goal is 21%

The WBE goal is 7%

Both the proposed Minority and Women's Business Enterprise firms must be named and identified as an MBE or WBE within Item 6 of the Standard Form (SF) 255 in the spaces provided for identifying outside key consultants/associates anticipated for utilization for this project.

Any submittals that do not include the proper MBE/WBE (in some instances DBE) participation will be disapproved for further consideration for this project.

Verifying Certification

Each firm submitting a SF 255 for consideration for a project is responsible for verifying that all MBEs and WBEs to be utilized on the project are certified by the Minority and Women's Business Opportunity Office (MWBOO) prior to submitting the proposal. A directory of certified MBEs and WBEs is available from MWBOO. Since changes to the directory occur daily, firms submitting SF 255s should call MWBOO at (410) 396-4355 to verify certification, expiration dates and services that the MBE or WBE is certified to provide.

Non-Affiliation

A firm submitting a proposal may not use an MBE or WBE to meet a contract goal if:

1. The firm has a financial interest in the MBE or WBE
2. The firm has an interest in the ownership or control of the MBE or WBE
3. The firm is significantly involved in the operation of the MBE or WBE (Article 5 subtitle 28-41).

A firm submitting as a prime consultant that fails to comply with the requirements of Article 5, Subtitle 28 of Baltimore City Code when executing a contract is subject to the following penalties: suspension of a contract; withholding of funds; rescission of contract based on material breach; disqualification as a consultant from eligibility to provide services to the City for a period not to exceed 2 years; and payment for damages incurred by the City.

A resume for each person listed as key personnel and/or specialist, including those from MBE and WBE must be shown on the page provided within the application.

Please be advised that for the purpose of reviewing price proposals and invoices, the City of Baltimore defines a principal of a firm as follows:

A principal is any individual owning 5% or more of the outstanding stock of an entity, a partner of a partnership, a 5% or more shareholder of a sub-chapter 'S' Corporation, or an individual owner.

Out-of-State Corporations must identify their corporate resident agent within the application.

Firms will not be considered for a specific project if they apply as both a sub-consultant and prime

consultant.

The applications for this Project (Form 255) cannot be supplemented with any additional information such as graphs, photographs, organization chart, etc. All such information should be incorporated into the appropriate pages. Applications should not be bound. Applications should simply be stapled in the upper left-hand corner. Cover sheets should not be included. Inclusion and/or submittal of additional material may result in the applicant being disqualified from consideration for this project.

Failure to follow directions of this advertisement or the application may cause disqualification of the submittal.

Robert B. MacLeod
Executive Secretary

Issue of: **8-25-2006**

The Baltimore Sun
The Daily Record
The Afro-American
The Baltimore Times

**City of Baltimore, MD
Department of Public Works
Bureau of Water & Wastewater**

**Reference Information for
Patapsco Collection System Evaluation and Sewershed Plan**

PROJECT # 1041

The Patapsco Collection System Evaluation and Sewershed Plan is governed by Paragraph 9, "Collection System Evaluation and Sewershed Plan" of the Consent Decree issued by the United States Environmental Protection Agency and the State of Maryland Department of the Environment to the Mayor and City Council of Baltimore, Maryland. Copy of the Consent Decree is available at www.ci.baltimore.md.us/government/dpw/water.html. The following description of services is intended to guide interested firms on the type of work and outlines some specific technical requirements of the project. All inspections and surveys shall be conducted in accordance with the requirements of the Consent Decree, the Environmental Protection Agency's SSES Handbook, the National Association of Sewer Service Companies (NASSCO) Guidelines, OSHA Regulations, Baltimore City Standards, and sound engineering practices.

Interested firms must demonstrate experience in the following areas:

➤ Rainfall Data

- Review existing rainfall data.

➤ Flow Monitoring

- Review existing flow metering data.
- Develop flow monitoring plan for additional flow metering if necessary.
Flow meter installation, maintenance, and data collection will be done by others.
- Infiltration and Inflow (I/I) evaluation.
- Flow characterization into dry and wet-weather components.
- Selection of field techniques to investigate and detect I/I sources.

➤ Physical Inspections

- Performing manhole inspections in accordance with the EPA SSES Handbook.
- Inspection of other system appurtenances such as valves, diversion structures, and siphons.
- Inspection of pumping station.

- Smoke & Dye Testing
 - Performing smoke and dyed water testing using a relational database management system (RDBMS) to manage defects and illegal connections documented during smoke & dye testing activities.
- CCTV Inspections
 - Perform CCTV inspections in accordance with NASSCO's Pipeline Assessment Certification Program (PACP).
 - PACP certification of all CCTV operators and software is required.
 - CCTV inspections will be conducted entirely in digital format. The entire inspection survey shall be recorded in MPEG-1 format written to DVD and submitted with digital links to the survey.
- Data Management/Geographic Information System (GIS) - Use of specialized software which currently makes up the City's system architecture:
 - GIS Software – ArcGIS Ver. 9.0
 - GIS Data Management Software – ArcSDE Ver. 9.0
 - GIS Quality Control Software – GeoData Sentry "Run-time" version 1.1.2 for ArcGIS Ver. 9.0
 - RDBMS– Oracle 9i.
 - Field Data Inspection Software (CCTV and Manhole Inspections) – Flexidata (PACP Mode) Ver. (latest version).
 - Data Transfer Software – Go!Sync Ver. 9.0.
- Hydraulic Modeling
 - Hydraulic modeling using InfoWorks by Wallingford Software (latest version).
- System Evaluation
 - Preparation of Sewershed Study and Plan
 - Prioritization and cost effective analysis for removal of I/I source.
 - Plan and schedule sewer system rehabilitation work and other corrective action

Study Area Description: The Patapsco Sewershed is located in the Southeastern most part of the city and in general bordered by Patapsco River to the north, City/Baltimore county line to the east, City/Ann Arundel county line to the south and Russel Street to the west.

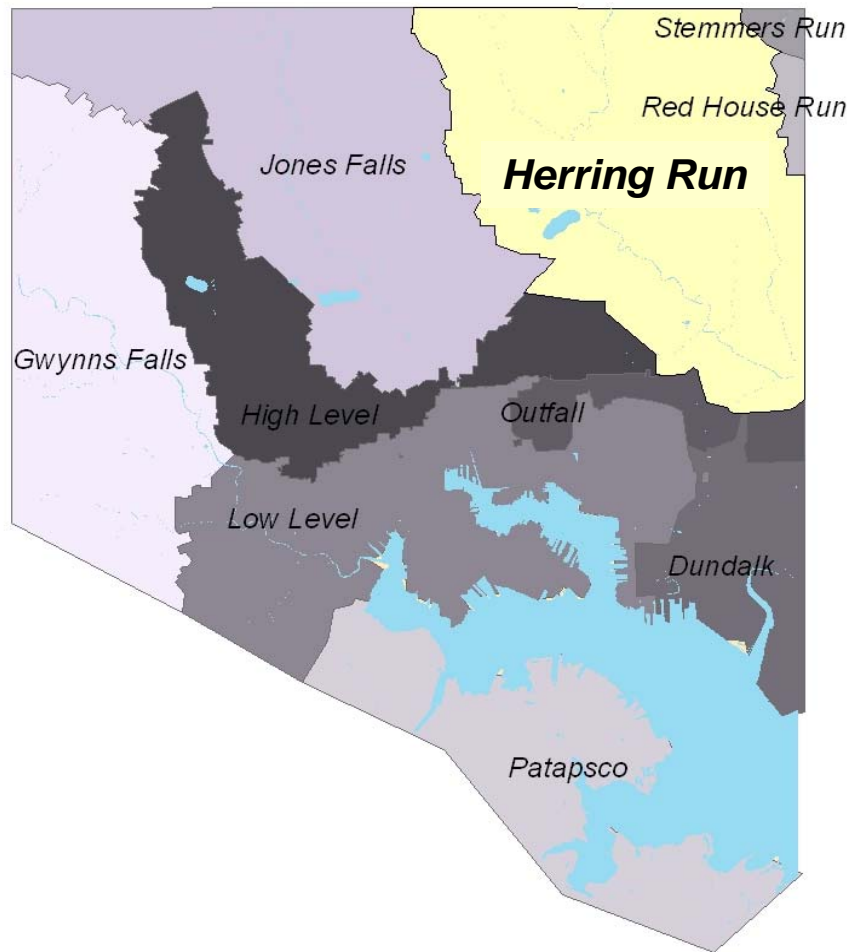


FIGURE 1 –Patapsco Sewershed

SEWERSHED CHARACTERISTICS	
Sewershed Area	Approximately 7.9 square miles
Sanitary Sewer	Approximately 313,282 linear feet
Pipe Sizes	Ranging in diameter from 8 to 64 inches
Manholes	Approximately 1,726
Pumping Stations (PS)	Brooklyn Pumping Station (1)
Access Structures (including vaults, chambers, etc..)	48